ABSTRACT OF THE DISCLOSURE

A mechanism for optimizing an establishment of a communication connection between a mobile node and a correspondent node in a packet based communication network using, for example, IP is proposed. After starting an application level communication connection setup, for example SIP based, between the mobile node and the correspondent node via a communication subsystem infrastructure, for example the IM subsystem infrastructure, a trigger signal comprising the address of the correspondent node is transmitted from the SIP layer to the IP layer in the mobile node via an interface. In response to the trigger signal, an IP level route optimization procedure is performed while the application level communication connection setup proceeds.